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## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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COUNTRY	East Germany	REPORT	<input type="text"/>	25X1
SUBJECT	Miscellaneous Information on Siemens-Plania, Berlin-Lichtenberg	DATE DISTR.	3 March 1954	
		NO. OF PAGES	2	
DATE OF INFO.	<input type="text"/>	REQUIREMENT	<input type="text"/>	25X1
PLACE ACQUIRED	<input type="text"/>	REFERENCES		25X1

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

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1. Personnel: A new head technologist, Kraezla (fnu), has been appointed to the electrode plant; Manager of the Department: Chief Engineer Schulz.
2. Construction work: None was reported.
3. Arrivals of raw materials: 50 tons silicon <DIN 60 from Piesteritz. No other material was received.
4. Stock (Lager): Approximately 70 tons of pitch from various districts were received (e.g. from Berlin, Saxony, etc.).
5. Orders: No new orders were received; only flower cases (sic) (Kasten) for Berlin under the heading Bedarfsartikel des Volkes (consumer goods) have been ordered.
6. Production deliveries:

150 tons tamping mass	31 to Czechoslovakia
100 " " " "	Rumania
200 " carbide electrodes	to USSR, Hungary, and other localities not known
7. Research and development.
  - a. The recorder previously reported is to be applied to the mixers which are in operation.
  - b. The experiments of the late Dr. von Wartburg for the admixture of sulphur to pitch or tar were concluded. Results indicated that an admixture up to 10% of sulphur effects an increase in strength of the coking framework (Geruest) and increases the porosity. More sulphur is detrimental.

25 YEAR RE-REVIEW

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## c. Experiment

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The tests on infrared rays were concluded.

- (1) Formula: 6.8 kg. silicon carbide  
2.3 kg. silicon  
1.0 kg. soot under mark P1250  
2.0 kg. tar

- (2) Rods (Staebe) 300 mm. long and 4.5 mm in diameter were pressed and handed over to Manager Anders of the silite factory for further treatment.

- d. (1) The Works' Directorate has ordered that the work on the high power connection (Hochleistungsschluss) for the production of the previously described insulation compound is not to be given priority; this work is only to be undertaken if there is enough time.

- (2) It has been possible to obtain the paper which was copied from the original drawing, entitled: "Sketch of a graphite-cement high-power coaxial-line load".

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- c. Important work is in progress on the determination of the surface of coke, with the object of theoretical calculation of the binder content of a mixture. Tests proceed under the following formula:

$$Og = \frac{140}{S(1-E)} \cdot \sqrt{\frac{F \cdot E^3}{H}} \cdot \sqrt{\frac{h}{Q}},$$

based on the law of Darcy, which lays down the permeability in relation to the passage of speed, and Kozeny's equation, which describes the effect of porosity on the surface of a porous layer. The deduction originates from Carman.

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